

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1 (currently amended): A method for diagnosing a person's susceptibility for having a risk for the development of alcoholism, said method comprising determining whether said subject person has a polymorphism in the signal peptide part of the human preproNPY, said polymorphism comprising a substitution of proline for leucine at position 7 in the signal peptide part of said human preproNPY, said polymorphism being indicative of a risk for the development of alcoholism.

Claim 2 (currently amended): The method according to claim 1 wherein said polymorphism in the signal peptide part of the human preproNPY of said subject person is determined by subjecting a position 7 allele specific oligonucleotide probe to a sample from said subject, said sample comprising a target polynucleotide of said human preproNPY.

Claim 3 (currently amended): The method according to claim 1 wherein said polymorphism in the signal peptide part of the human preproNPY of said subject person is determined by immunoassay where a sample from said subject person is contacted with an antibody capable of binding the signal peptide part of said human preproNPY ~~or said NPY peptide associated with any other cleavage product of said human preproNPY.~~

Claims 4-9 (canceled).

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Claim 10 (new): The method according to claim 1 wherein said polymorphism is determined by analysis of a nucleic acid encoding human preproNPY.